

EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEE	DDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT

\*\*FILE\*\*ID\*\*CHMGCOUNT

CCCCCCCC	HH	HH	MM	MM	GGGGGGGG	CCCCCCCC	000000	UU	UU	NN	NN	TTTTTTTT
CCCCCCCC	HH	HH	MM	MM	GGGGGGGG	CCCCCCCC	000000	UU	UU	NN	NN	TTTTTTTT
CC	HH	HH	MMMM	MMMM	GG	CC	00	UU	UU	NN	NN	TT
CC	HH	HH	MMMM	MMMM	GG	CC	00	UU	UU	NN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CC	HH	HH	MM	MM	GG	CC	00	UU	UU	NNNN	NN	TT
CCCCCCCC	HH	HH	MM	MM	GGGGGG	CCCCCCCC	000000	UUUUUUUUUU	UUUUUUUUUU	NN	NN	TT
CCCCCCCC	HH	HH	MM	MM	GGGGGG	CCCCCCCC	000000	UUUUUUUUUU	UUUUUUUUUU	NN	NN	TT

LL		SSSSSSSS
LL		SSSSSSSS
LL		SS
LLLLLLLL		SSSSSSSS
LLLLLLLL		SSSSSSSS

```
1 0001 0 %TITLE 'EDT$CHMGCOUNT - look for a repeat or entity count'  
2 0002 0 MODULE EDT$CHMGCOUNT ( ! Look for a repeat or entity count  
3 0003 0 IDENT = 'V04-000' ! File: CHMGCOUNT.BLI Edit: JBS1005  
4 0004 0 ) =  
5 0005 1 BEGIN  
6 0006 1  
7 0007 1 *****  
8 0008 1 *  
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY  
10 0010 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.  
11 0011 1 * ALL RIGHTS RESERVED.  
12 0012 1 *  
13 0013 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  
14 0014 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE  
15 0015 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER  
16 0016 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  
17 0017 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY  
18 0018 1 * TRANSFERRED.  
19 0019 1 *  
20 0020 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE  
21 0021 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT  
22 0022 1 * CORPORATION.  
23 0023 1 *  
24 0024 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS  
25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.  
26 0026 1 *  
27 0027 1 *  
28 0028 1 *****  
29 0029 1  
30 0030 1  
31 0031 1 ++  
32 0032 1 FACILITY: EDT -- The DEC Standard Editor  
33 0033 1  
34 0034 1 ABSTRACT:  
35 0035 1  
36 0036 1 This module looks for a repeat/entity count.  
37 0037 1  
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant  
39 0039 1  
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown  
41 0041 1  
42 0042 1 MODIFIED BY:  
43 0043 1  
44 0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by  
45 0045 1 extracting the routine EDT$$CHK_CNT from module CHANGE.BLI.  
46 0046 1 1-002 - Regularize headers. JBS 02-Mar-1981  
47 0047 1 1-003 - Don't allow repeat counts greater than 32767. JBS 10-Mar-1982  
48 0048 1 1-004 - Change numeric test. JBS 19-Jul-1982  
49 0049 1 1-005 - Add conditional for VT220 support. JBS 11-Feb-1983  
50 0050 1 --  
51 0051 1
```

53 0052 1 %SBTTL 'Declarations'  
54 0053 1  
55 0054 1 TABLE OF CONTENTS:  
56 0055 1  
57 0056 1  
58 0057 1 REQUIRE 'EDTSRC:TRAROUNAM';  
59 0496 1  
60 0497 1 FORWARD ROUTINE  
61 0498 1 EDT\$\$CHK\_CNT;  
62 0499 1 ! Look for a repeat/entity count  
63 0500 1  
64 0501 1 INCLUDE FILES:  
65 0502 1  
66 0503 1  
67 0504 1 REQUIRE 'EDTSRC:EDTREQ';  
68 0639 1  
69 0640 1 LIBRARY 'EDTSRC:SUPPORTS';  
70 0641 1  
71 0642 1  
72 0643 1 MACROS:  
73 0644 1  
74 0645 1 NONE  
75 0646 1  
76 0647 1 EQUATED SYMBOLS:  
77 0648 1  
78 0649 1 NONE  
79 0650 1  
80 0651 1 OWN STORAGE:  
81 0652 1  
82 0653 1 NONE  
83 0654 1  
84 0655 1 EXTERNAL REFERENCES:  
85 0656 1  
86 0657 1 In the routine

```
88      0658 1 %SBTTL 'EDT$$CHK_CNT - look for a repeat/entity count'
89      0659 1
90      0660 1 GLOBAL ROUTINE EDT$$CHK_CNT (
91      0661 1     COUNT                                ! Look for a repeat or entity count
92      0662 1     ) =                                ! Where to store count
93      0663 1
94      0664 1     ++
95      0665 1     FUNCTIONAL DESCRIPTION:
96      0666 1
97      0667 1     This routine looks for a repeat/entity count, and stores it in the
98      0668 1     formal parameter COUNT.
99      0669 1
100     0670 1     FORMAL PARAMETERS:
101     0671 1
102     0672 1     COUNT          Where to return the value of the count
103     0673 1
104     0674 1     IMPLICIT INPUTS:
105     0675 1
106     0676 1     EDT$$A_CMD_BUF
107     0677 1
108     0678 1     IMPLICIT OUTPUTS:
109     0679 1
110     0680 1     EDT$$A_CMD_BUF
111     0681 1
112     0682 1     ROUTINE VALUE:
113     0683 1
114     0684 1     A value of 1 is returned if an explicit count was seen,
115     0685 1     0 means no explicit count, COUNT retains its value,
116     0686 1     2 means the count is invalid.
117     0687 1
118     0688 1     SIDE EFFECTS:
119     0689 1
120     0690 1     NONE
121     0691 1
122     0692 1     --
123     0693 1
124     0694 2     BEGIN
125     0695 2
126     0696 2     EXTERNAL
127     0697 2     EDT$$A_CMD_BUF                      ! Command string pointer
128     0698 2
129     L 0699 2     %IF SUPPORT_VT220
130     0700 2     %THEN
131     0701 2
132     0702 2     EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE] ! Information about characters
133     0703 2     %FI
134     0704 2
135     0705 2
136     0706 2
137     0707 2     :
138     0708 2     LOCAL
139     0709 2     RET_VALUE,
140     0710 2     CHAR,
141     0711 2     L_COUNT;
142     0712 2     L_COUNT = ..COUNT;
143     0713 2     CHAR = CHSRCHAR (.EDT$$A_CMD_BUF);
144     0714 2
```

```

145   L 0715 2 %IF SUPPORT_VT220
146   0716 2 %THEN
147   0717 2
148   0718 3   IF (.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] NEQ %X'F0')
149   0719 2     THEN
150   U 0720 2 %ELSE
151   U 0721 2
152   U 0722 2     IF ((.CHAR LSS %C'0') OR (.CHAR GTR %C'9'))
153   U 0723 2       THEN
154   U 0724 2     %FI
155   U 0725 2
156   U 0726 2     RET_VALUE = 0
157   U 0727 2     ELSE
158   U 0728 3       BEGIN
159   U 0729 3       RET_VALUE = 1;
160   U 0730 3       L_COUNT = 0;
161   U 0731 3
162   L 0732 3 %IF SUPPORT_VT220
163   L 0733 3 %THEN
164   L 0734 3
165   U 0735 3     WHILE ((.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] EQL %X'F0') AND (.RET_VALUE EQL 1)) DO
166   U 0736 3 %ELSE
167   U 0737 3     WHILE (((.CHAR GEQ %C'0') AND (.CHAR LEQ %C'9')) AND (.RET_VALUE EQL 1)) DO
168   U 0738 3 %FI
169   U 0739 3
170   U 0740 3     BEGIN
171   U 0741 4       IF (.L_COUNT GTR 3276)
172   U 0742 4         THEN
173   U 0743 5           RET_VALUE = 2
174   U 0744 4         ELSE
175   U 0745 4           BEGIN
176   U 0746 4             L_COUNT = .L_COUNT*10 + .CHAR - %C'0';
177   U 0747 5             CHAR = CH$A_RCHAR (EDT$$A_CMD_BUF);
178   U 0748 5             END;
179   U 0749 5
180   U 0750 4
181   U 0751 4
182   U 0752 4     IF ((.L_COUNT GTR 3276) OR (.L_COUNT LSS 0)) THEN RET_VALUE = 2;
183   U 0753 4
184   U 0754 3     END;
185   U 0755 3
186   U 0756 2     END;
187   U 0757 2
188   U 0758 2     .COUNT = .L_COUNT;
189   U 0759 2     RETURN (.RET_VALUE);
190   U 0760 1     END;

```

! of routine EDT\$\$CHK\_CNT

```

.TITLE EDT$CHMGCOUNT EDT$CHMGCOUNT - Look for a repeat
or entity cou
.IDENT \V04-000\
.EXTRN EDT$$A_CMD_BUF, EDT$$B_CHAR_INFO
.PSECT _EDT$CODE,NOWRT, SHR, PIC,2
.ENTRY EDT$$CHK_CNT, Save R2,R3,R4,R5 ; 0660

```

EDT\$CHMGCOUNT  
VO4-000

H 10  
EDT\$CHMGCOUNT - look for a repeat or entity cou 15-Sep-1984 23:57:35  
EDT\$\$CHK\_CNT - look for a repeat/entity count 14-Sep-1984 12:22:31  
VAX-11 Bliss-32 V4.0-742  
[EDT.SRC]CHMGCOUNT.BLI;1

Page 5  
(3)

		55	00000000G	00	9E	00002	MOVAB	EDT\$\$B_CHAR_INFO, R5	
		54	00000000G	00	9E	00009	MOVAB	EDT\$\$A_CMD_BUF, R4	
		50	04	BC	D0	00010	MOVL	@COUNT, L COUNT	0712
		51	64	DO	00014	MOVL	EDT\$\$A_CMD_BUF, R1	0713	
		52	61	9A	00017	MOVZBL	(R1), CHAR		
F0	8F		6542	91	0001A	CMPB	EDT\$\$B_CHAR_INFO[CHAR], #240	0718	
			04	13	0001F	BEQL	1\$		
			53	D4	00021	CLRL	RET_VALUE	0726	
			42	11	00023	BRB	6\$		
		53	01	D0	00025	1\$: MOVL	#1, RET_VALUE	0729	
F0	8F		6542	91	0002A	2\$: CLRL	L COUNT	0730	
			36	12	0002F	BNEQ	6\$	0735	
		01	53	D1	00031	CMPL	RET_VALUE, #1	:	
			31	12	00034	BNEQ	6\$	:	
00000CCC	8F		50	D1	00036	CMPL	L COUNT, #3276	0743	
			05	15	0003D	BLEQ	3\$	:	
		53	02	D0	0003F	MOVL	#2, RET_VALUE	0745	
			11	11	00042	BRB	4\$		
51		50	0A	C5	00044	3\$: MULL3	#10, L COUNT, R1	0748	
		50	D0	A241	9E	00048	MOVAB	-48(CHAR)[R1], L_COUNT	
			64	D6	0004D	INCL	EDT\$\$A_CMD_BUF	0749	
		51	64	DO	0004F	MOVL	EDT\$\$A_CMD_BUF, R1		
		52	61	9A	00052	MOVZBL	(R1), CHAR		
00007FFF	8F		50	D1	00055	4\$: CMPL	L COUNT, #32767	0752	
			04	14	0005C	BGTR	5\$		
			50	D5	0005E	TSTL	L COUNT		
			C8	18	00060	BGEQ	2\$		
		53	02	D0	00062	5\$: MOVL	#2, RET_VALUE	0735	
04	BC		C3	11	00065	BRB	2\$	0758	
		50	53	D0	00067	6\$: MOVL	L COUNT, @COUNT	0759	
			04	0006E		MOVL	RET_VALUE, R0	0760	
						RET			

; Routine Size: 111 bytes, Routine Base: \_EDT\$CODE + 0000

; 191      0761 1  
; 192      0762 1 !<BLF/PAGE>

EDT\$CHMGCOUNT  
V04-000

I 10  
EDT\$CHMGCOUNT - look for a repeat or entity cou 15-Sep-1984 23:57:35  
EDT\$\$CHK\_CNT - look for a repeat/entity count 14-Sep-1984 12:22:31  
[EDT.SRC]CHMGCOUNT.BLI;1

Page 6  
(4)

; 194 0763 1 END  
; 195 0764 1  
; 196 0765 0 ELUDOM

! of module EDT\$\$CHMGCOUNT

#### PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	111	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

#### Library Statistics

File	----- Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	0	0	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
\$255\$DUA28:[EDT.SRC]SUPPORTS.L32;1	2	1	50	5	00:00.1

#### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:\$CHMGCOUNT/OBJ=OBJ\$:\$CHMGCOUNT MSRC\$:\$CHMGCOUNT.BLI/UPDATE=(ENH\$:\$CHMGCOUNT)

Size: 111 code + 0 data bytes  
Run Time: 00:11.9  
Elapsed Time: 00:15.5  
Lines/CPU Min: 3866  
Lexemes/CPU-Min: 11337  
Memory Used: 73 pages  
Compilation Complete

0131 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

CHMFINENT LIS	CHMGCOUNT LIS	CHMGINSTR LIS	CHMGSUSTR LIS	CHMINIT LIS	CHMINSMOD LIS
CHMEMESS LIS	CHMGINSTR LIS	CHMGOUTR LIS	CHMGOISTR LIS	CHMINSTAB LIS	CHMINSCHR LIS
CHMENTTRM LIS	CHMGBUF LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMINDATE LIS	CHMINSSTR LIS
CHMEXVERB LIS	CHMFINSTR LIS	CHMGOISTR LIS	CHMHLPKPD LIS	CHMKEYRD LIS	CHMKEYRD LIS
CHMENDWRD LIS	CHMEXCOM LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMKEYRD LIS	CHMKEYRD LIS